

ARG82825 Mouse IGFBP2 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82825-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82825-002	Standard	2 X 10 ng/vial	4°C
ARG82825-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82825-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82825-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82825-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82825-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82825-008	25X Wash buffer	20 ml	4°C
ARG82825-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82825-010	STOP solution	10 ml (Ready to use)	4°C
ARG82825-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82825 Mouse IGFBP2 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse IGFBP2 in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	IGFBP2
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	62.5 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	125 - 8000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.3% Inter-Assay CV: 7.2%

Alternate Names IBP-2; IBP2; Insulin-like growth factor-binding protein 2; IGFBP-2; IGF-BP53; IGF-binding protein 2

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol IGFBP2

Gene Full Name insulin-like growth factor binding protein 2, 36kDa

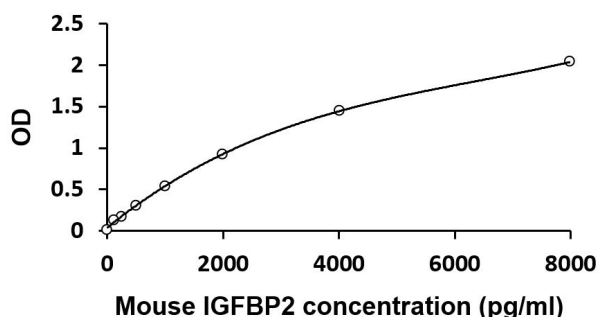
Background The protein encoded by this gene is one of six similar proteins that bind insulin-like growth factors I and II (IGF-I and IGF-II). The encoded protein can be secreted into the bloodstream, where it binds IGF-I and IGF-II with high affinity, or it can remain intracellular, interacting with many different ligands. High expression levels of this protein promote the growth of several types of tumors and may be predictive of the chances of recovery of the patient. Several transcript variants, one encoding a secreted isoform and the others encoding nonsecreted isoforms, have been found for this gene. [provided by RefSeq, Sep 2015]

Function Inhibits IGF-mediated growth and developmental rates. IGF-binding proteins prolong the half-life of the IGFs and have been shown to either inhibit or stimulate the growth promoting effects of the IGFs on cell culture. They alter the interaction of IGFs with their cell surface receptors. [UniProt]

PTM O-glycosylated. [UniProt]

Cellular Localization Secreted. [UniProt]

Images



ARG82825 Mouse IGFBP2 ELISA Kit standard curve image

ARG82825 Mouse IGFBP2 ELISA Kit results of a typical standard run with optical density reading at 450 nm.